

REMARKS

The Summary of the Invention portion of the Specification is amended to be consistent with currently amended independent Claims 1 and 15.

The Specification is amended at pages 7 and 11 to be consistent with currently amended independent Claims 1 and 15 by reciting that the sequence of variable-opening throttles in a given base-wall-section flow guide is formed by an overlapping chain of recesses, which is provided by partially opposed rows of recesses in the respective combined first and second mold parts. These features are shown in the Drawing.

The Specification is amended at pages 7 and 9 to describe the features of the width of a given throttle being less than, or not more than, the width of the overlapping recesses that form the given throttle. These features are shown in FIGS. 2, 6 and 7. Such amended description recites width dimensions A and B, and FIGS. 2, 6 and 7 of the Drawing are amended accordingly.

Independent Claims 1 and 15 are amended to incorporate some of the subject matter of original Claims 8 and 22 and to better point out and more particularly claim such subject matter by further reciting the feature of the sequence of variable-opening throttles in a given base-wall-section flow guide being formed by an overlapping chain of recesses, which is provided by partially opposed rows of recesses in the respective combined first and second mold parts.

Dependent Claims 7, 8, 21 and 22, which now depend from Claim 1 or Claim 15, are amended to recite the feature of the width of a given throttle being not more than, or less than, the width of the overlapping recesses that form the given throttle.

Dependent Claims 11, 13, 25 and 27 are amended by deleting "an aligned", as shown in the Listing of Claims.

New independent Claims 33 to 44 are directed respectively to the subject matter of original dependent Claims 5, 10-14, 20 and 24-28 as dependent upon original Claims 1 and 15, with the “as aligned” recitation of original Claims 11, 13, 25 and 27 not being included in corresponding new Claims 35, 37, 41 and 43. Dependent Claims 5, 10-14, 20 and 24-28 now depend from amended independent Claim 1 or Claim 15.

Claim Rejections

The rejections of Claims 7-14 and 21-32 under 35 USC 102(b) as being anticipated by Sorensen ‘005 is respectfully traversed for the following reasons.

Regarding independent Claims 1 and 15, Sorensen ‘005 does not disclose or suggest the recited feature of the sequence of variable-opening throttles in a given base-wall-section flow guide being formed by an overlapping chain of recesses, which is provided by partially opposed rows of recesses in the respective combined first and second mold parts.

Regarding Claims 5, 20, 33 and 39, Sorensen ‘005 does not disclose or suggest the recited feature of the mold cavity including chambers adjacent the sidewall-section periphery of the base-wall section at a juncture of the plastic material directed into thin-wall cavity sectors of the base-wall section by flow guides adjacent the thin-wall cavity sectors for forming ridges on the inside of the base wall of the injection-molded product. In the present application, such chambers are described at page 11, lines 17-22 as enhancing the stiffness of the base wall of the product. The chambers in which the ridges are formed are shown at 80 in FIG. 10 of the present application.

Regarding Claims 10, 24, 29, 31, 34 and 40, Sorensen ‘005 does not disclose or suggest the recited feature of the mold parts including a movable mold part that is disposed for protraction into and retraction from a base-wall-section flow guide for adjusting conduction within the flow guide, such as the movable mold part 82 described in the present application at page 11, line 23 page 12, line 23 with reference to FIGS. 13 and 14.

Regarding Claims 30 and 32, which respectively depend from Claims 29 and 31, Sorensen '005 does not disclose or suggest the recited features of a flow guide including a first segment and a second segment that is misaligned with the first segment but that overlaps the first segment to enable conduction of fluid plastic material from the first segment to the second segment, and the movable mold part (of Claims 29 and 31) being disposed at said overlap to decrease said overlap when the movable mold part is protracted and to increase said overlap when the movable mold part is retracted. This combination of features is described in the present application at page 12, lines 4-11 as being provided to adjust the conduction of fluid plastic material within the base-wall-section flow guide when the movable mold part 82 is disposed in the introductory portion of the flow guide.

Regarding Claims 11, 25, 35 and 41, Sorensen '005 does not disclose or suggest the recited features of the mold parts including an adjustable cavity mold part for shaping at least a portion of the base-wall section of the mold cavity, and the mold including means for initializing the position of the adjustable cavity mold part to adjust the alignment between the adjustable cavity mold part and the core mold part. This combination of features is described in the present application at page 5, lines 11-19 with reference to FIG. 1.

Regarding Claims 12, 26, 36 and 42, which respectively depend from Claims 11, 25, 35 and 41, Sorensen '005 does not disclose or suggest the recited feature of dynamically varying the position of the adjustable cavity mold part (of Claims 11, 25, 35 and 41) to adjust the alignment between the adjustable cavity mold part and the core mold part. This feature is described in the present application at page 5, line 20 to page 6, line 10.

Regarding Claims 13, 27, 37 and 43, Sorensen '005 does not disclose or suggest the recited features of the mold parts including an adjustable cavity mold part for shaping at least a portion of the base-wall section of the mold cavity and the mold including means for dynamically varying the position of the adjustable cavity mold part to adjust

the alignment between the adjustable cavity mold part and the core mold part. This combination of features is described in the present application at page 5, lines 11 to page 6, line 10 with reference to FIG. 1.

Regarding Claims 14, 28, 38 and 44, Sorensen '005 does not disclose or suggest the recited feature of the shortest distance within the mold cavity in the direction of mold closure being larger than the elastic compression distance of the mold cavity when the mold is compressed by a requisite clamping force. This feature is described in the present application at page 7, line 15 to page 8, line 1, as being provided in order to inhibit damage to the opposed core mold part 12 and adjustable cavity mold part 16 when the mold is compressed by a requisite clamping force.

Conclusion

Should the Examiner not withdraw the outstanding rejection of Claims 1-32, she is respectfully requested to specifically point out where in Sorensen '005 the above-discussed distinguishing features of Claims 1, 5, 7-15 and 20-34 are disclosed or suggested.

Reconsideration and allowance are respectfully requested.

Respectfully submitted,

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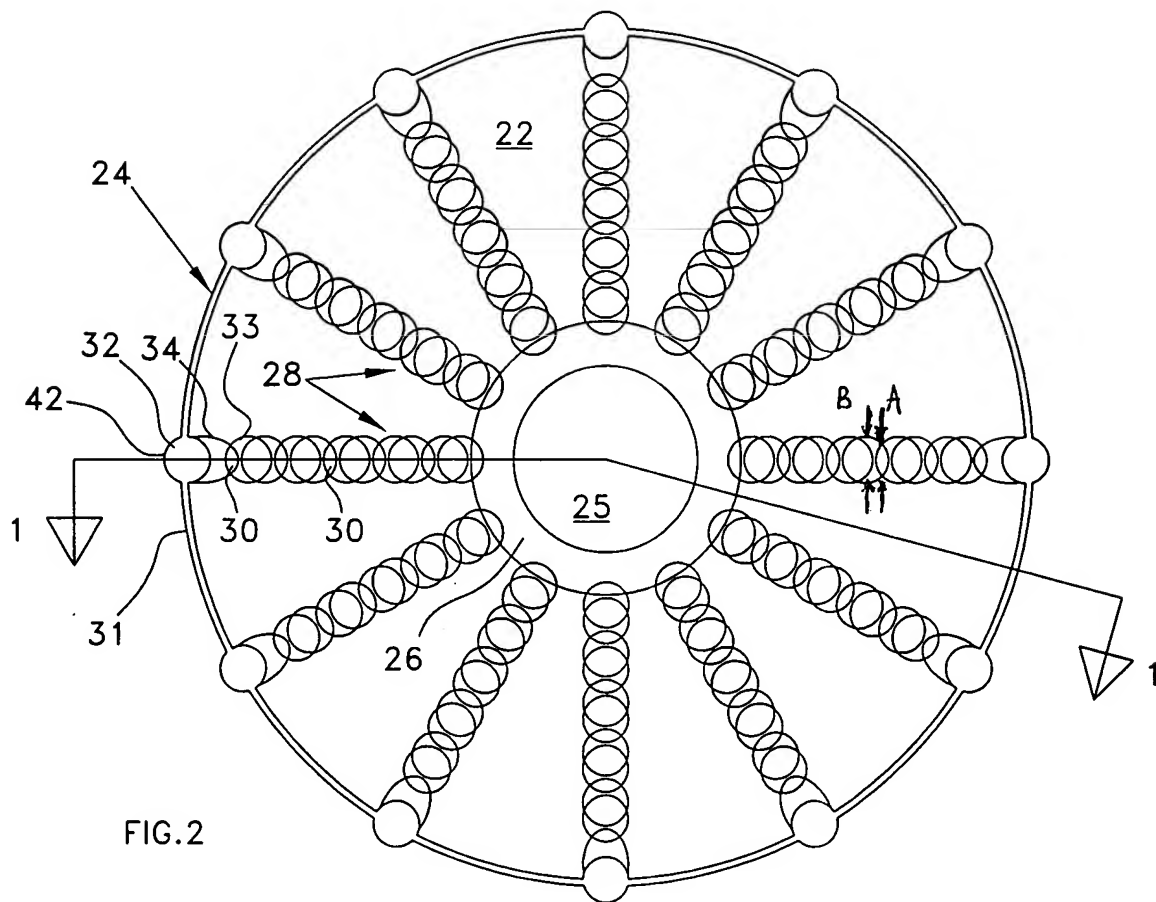


FIG. 2

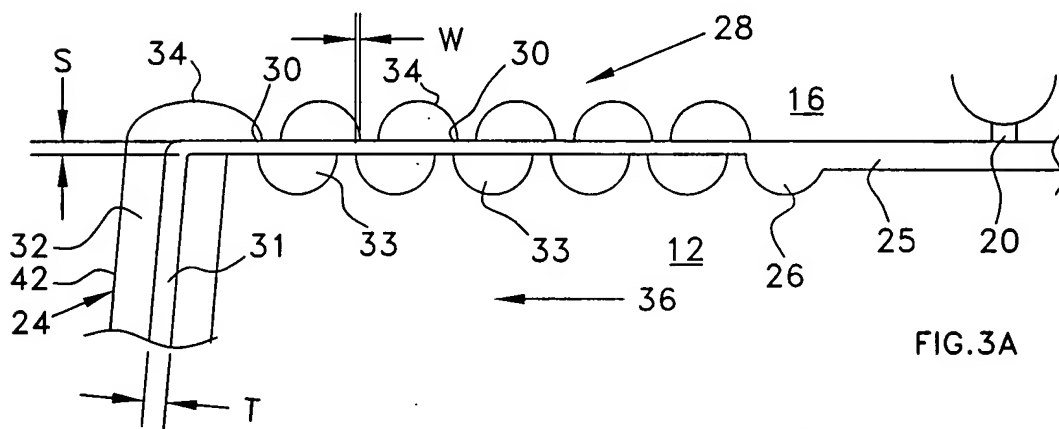


FIG. 3A

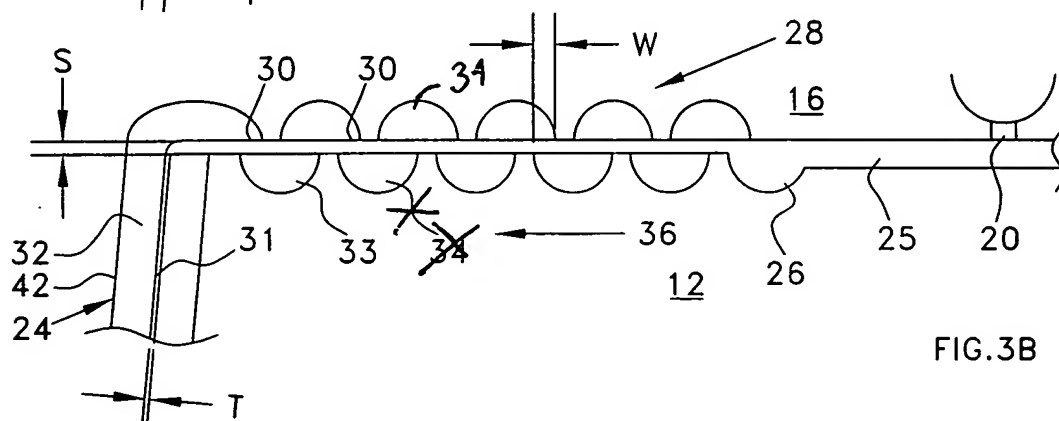


FIG. 3B

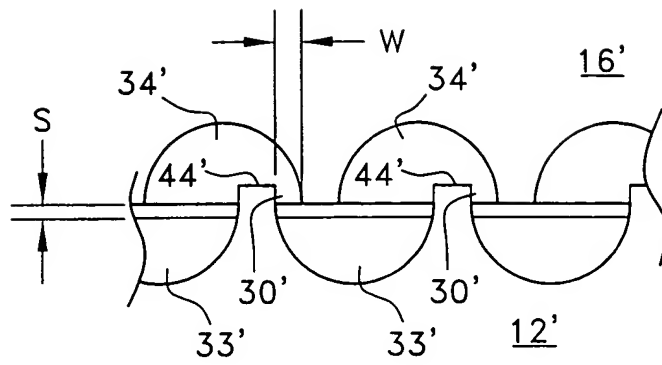


FIG. 4

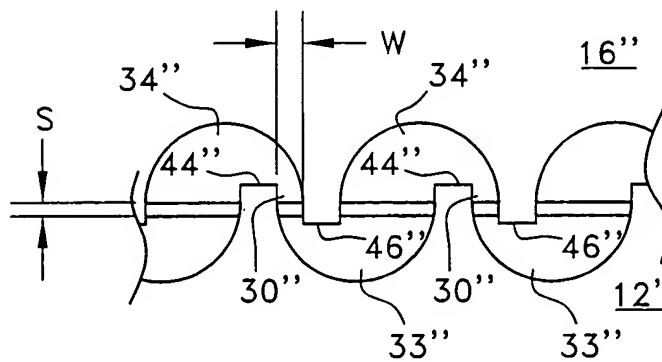


FIG. 5

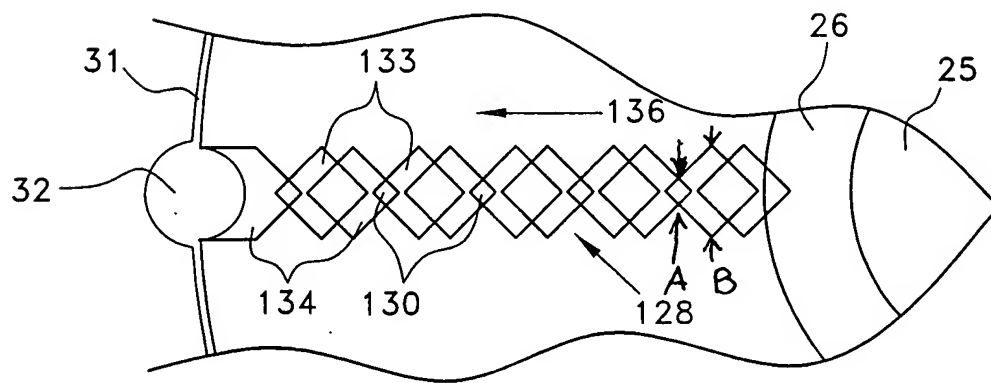


FIG. 6

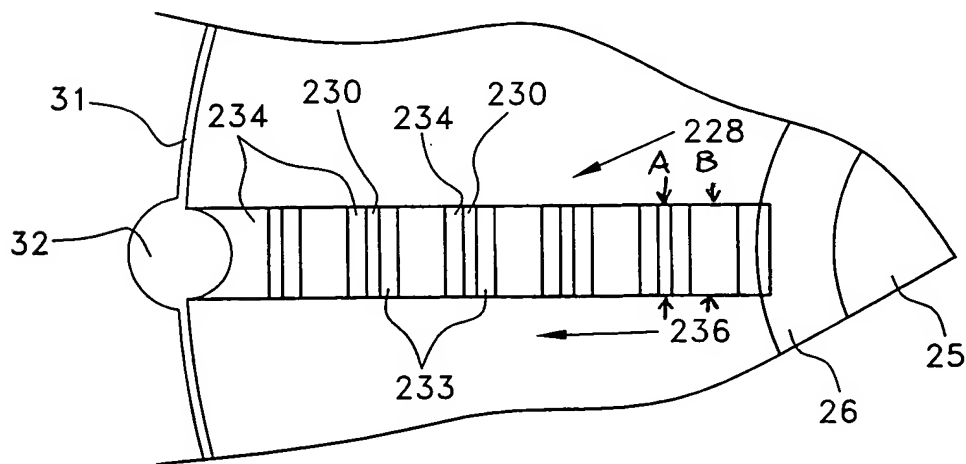


FIG. 7